#### FORM HDP-1449 (Based on Form PTO-1449)

### PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

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ATTORNEY DOCKET NO.	SERIAL NO.
4858-000213/CPC	10/045,685
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J. Barker et al.	
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U.S. F	PATENT DO	CUMENTS			•	Ŋ
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	ast.	3,736,184*	5/29/75	Dey et al.		
2.	5)	4,009,092*	2/22/77	Taylor	) ECH	
3.	SK	4,049,891*	9/20/77	Hong et al.	100	
4.	SX	4,098,687*	7/78	Yang		E)
5.	GK.	4,194,062	3/18/80	Carides et al.	-	VED 2012 FENTER
6.	3k	4,260,668*	4/7/81	Lecerf et al.		<del> </del>
7.	6K	4,434,216*	2/28/84	Joshi et al.		1700
8.	Ut	4,464,447	8/7/84	Lazzari et al.		-
9.	SK	4,477,541	10/16/84	Fraioli		
10.	OK	4,512,905*	4/23/85	Clearfield et al.		
11.	OF	4,668,595	5/26/87	Yoshino et al.		
12.	9)X	4,683,181*	7/28/87	Armand et al.		
13.	ST	4,690,877*	9/1/87	Gabano et al.		
14.	DIS	4,707,422*	11/17/87	deNeufville et al.		
15.	ac	4,792,504	12/20/88	Schwab et al.		
16.	OX	4,803,137*	2/7/89	Miyazaki Tadaaki et al.		
17.	SIK	4,830,939	5/16/89	Lee et al.		<u> </u>
18.	OK.	4,925,752	5/15/90	Fauteux et al.		
19.	SK	4,935,317	6/19/90	Fauteux et al.		
20.	(D)	4,985,317*	1/15/91	Adachi et al.		,
21.	EX	4,990,413	2/5/91	Lee et al.		

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-22.	82	5,011,501	4/30/91	Shackle et al.		
23.	000	5,028,500	7/2/91	Fong et al.		117
24.	(D)X	5,037,712	8/6/91	Shackle et al.		RECT NUS
25.	SOC	5,130,211	7/14/92	Wilkinson et al.		RECE
26.	<b>X</b>	5,232,794*	8/3/93	Krumpelt et al.		EWE 5
27.	50X	5,262,253	11/16/93	Golovin		
28. <sub>(</sub>	DX	5,262,548*	11/16/93	Barone		1
29.	ook	5,296,436*	3/22/94	Bortinger		<u>.</u>
30.	DK)	5,300,373	4/5/94	Shackle		1
31.	(S)	5,326,653	7/5/94	Chang	-	
32.	BK)	5,399,447	3/21/95	Chaloner-Gill et al.	-	
33.	OK	5,411,820	5/2/95	Chaloner-Gill et al.		
34.	50K	5,418,090	5/23/95	Koksbang et al.		
35.	80K	5,418,091	5/23/95	Gozdz et al.		
36.	DK	5,435,054	7/25/95	Tonder et al.		
37.	VI,	5,456,000	10/10/95	Gozdz et al.		
38.	3K	5,460,904	10/24/95	Gozdz et al.		1
39.	(1)C	5,463,179	10/31/95	Chaloner-Gill et al.		
40.	(\$)X	5,482,795	1/9/96	Chaloner-Gill		
41.	SE	5,508,130	4/16/96	Golovin		

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42.	OX	5,514,490*	5/7/96	Chen et al.		
43.	3	5,538,814	7/23/96	Kamauchi et al.	i - Ching	
44.	(\$7)X	5,540,741	7/30/96	Gozdz et al.		NE O
45.	3	5,541,020	7/30/96	Golovin et al.		-9 -9
46.		5,620,810	4/15/97	Golovin et al.		RECEIVED
47.(	500	5,643,695	7/1/97	Barker et al.		<del>2</del>
48.	SI	5,660,948	8/26/97	Barker		100
49.	OK	5,695,893	12/9/97	Arai et al.		
50.	3	5,700,298	12/23/97	Shi et al.		
51.	5	5,712,059	1/27/98	Barker et al.	-	
52.	(GK)	5,804,335	9/8/98	Kamauchi et al.		
53.	OK	5,830,602	11/3/98	Barker et al.		
54.	SK.	5,851,504	12/22/98	Barker et al.		
55.	SX	5,869,207	2/9/99	Saidi et al.		
56.	OK.	5,871,866*	2/16/99	Barker et al.		
57.	34	5,910,382*	6/8/99	Goodenough et al.		
58.	OF	6,004,697	12/21/99	Thackeray et al.		
59.	5	6,020,087	2/1/00	Gao		
60.	(S)(	6,103,419	8/15/00	Saidi et al.		,
61.	SX	6,136,472	10/24/00	Barker et al.		

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62.		6,153,333	11/28/00	Barker			
63.	OX.	6,183,718	2/6/01	Barker et al.		-	
64.	3	6,306,215	10/23/01	Larkin			

<sup>\*</sup>Indicates submitted in parent case USSN 09/559,861 filed April 27, 2000.

FORE	FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No		
1.	0	JP 2001 085010	3/30/01	Japan		Х		
2.	SK	EP 1093172	4/18/01	EPO				
3.	80K	JP 2001 052733	2/23/01	Japan		Abstract		
4.	0x	WO 9930378 Corrected Version	6/17/99	WIPO				
5.	OK	WO 9930378 Original Version	6/17/99	WIPO	TECHROL	- 70		
6.	DK	WO 9812761	3/26/98	WIPO	750	5 C		
7.	OX.	WO 0001024	1/6/00	WIPO	CE			
. 8.	BK.	EP 0 680 106 A1*	11/2/95	EPO	- E			
<b>.</b> 9.	60X_	JP 61 263069*	11/86	Mizuno	1700			
10.	1 DX	WO 0057505*	9/28/00	WIPO				
11.	60 <del>/</del>	EP 0 849 817*	6/24/98	EPO				
12.	8)	JP 09 171827*	6/30/97	Japan		Abstract		

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FORE	IGN PATEN	IT DOCUMENTS				
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
13.	0X	JP 0625 1764	9/9/94	Japan	-	Abstract
14.	60/2	WO 00/31812	6/2/00	WIPO	ECH	
15.	60X	WO 01/13443	2/22/01	WIPO		
16.	ØX.	WO 01/54212	7/26/01	WIPO		13 14
17.	S)<	WO 01/84655	11/8/01	WIPO		
18.	SK	WO 01/53198	7/26/01	WIPO		FR 3
19.	504	EP 1049182	11/2/00	EPO	H01M 4/58	78%

OTHE	R DOCUME	NTS (including Author, Title, Date, Pertinent Pages, etc.)
Ref. Desig.	Examiner's Initials	
1.	<b>DK</b>	Andersson, A., et al., Thermal stability of LiFePO4 – based cathodes, (2000), Electrochem. Solid-State Lett., 3(2), pp. 66-68
2.	OX-	Amine, K., et al., Olivine LiCoPO4 as 4.8 V Electrode Material for Lithium Batteries, (2000), Electrochem. Solid-State Lett., 3(4), pp. 178-179
3.	DK	Kirkby, et al., Crystal Structure of Potassium Aluminum Fluoride Phosphate KA1FPO4, Zeits. Kristall. 956 (1995)
4.	SOX	Nagornyi et al., Preparation and Structure of the New Fluoride Phosphate Na5CrF2(PO4)2, Russ. J. Inorg. Chem. 35, 470, (1990)
5. 	DK.	Arlt, et al., Na5AlF2(PO4)2: Darstellung, Kristallstruktur und Ionenleitfahigkeit, Z. anorg. Allg. Chem. 547, 179 (1987)
6.	80K	www.webmineral.com/data/Amblygonite.shtml (9/2002)
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OTHE	R DOCUME	NTS (including Author, Title, Date, Pertinent Pages, etc.)
Ref. Desig.	Examiner's Initials	
8.	DK	www.webmineral.com/data/Montebrasite.shtml  www.webmineral.com/data/Tayorite.shtml
9.	BK	www.webmineral.com/data/Tavorite.shtml
10.	SK	International Search Report for PCT/US97/15544.* (NO ) ATE
11.	øk	Rangan et al., "New Titanium-Vanadium Phosphates of Nasicon and Langberrite Structures, and Differences Between the Two Structions Toward Deintercalation of Alkali Metal, "JOURNAL OF SOLID STATE CHEMISTRY, 109, (1994) p 116-121."
12.	8)<	Delmas et al., "The Nasicon-Type Phosphates ATi2(PO4)3(A=Li, Na) as Electrode.  Materials, "SOLID STATE IONICS (1988) 28-30 pp 419-423*  (1) attributes
13.	SOK	Hagenmuller et al., "Intercalation in 3D-Skeleton Structures: Ionic and Electronic.Features,"MATERIAL RESOURCES SOCIETY SYMPOSIUM PROC., Vol. 210 (1991) pp 323.334.*
14.	0)(	Chem. Abstrs. Svs., (1997), XP 2048304* (No mowTk)
15.	\$X	Padhi et al., "Lithium Intercalation into NASICON-Type Mixed Phosphates:and Li2FeTi(PO4)3; 37th Power Sources Conference: Cherry Hill, New Jersey, Conference Date: June 17-20, 1996, published October 15, 1996.*
16.	SX	Sisler et al., "Chemistry A Systematic Approach, "OXFORD UNIVERSITY PRESS, p 746, 1980."   (1) ONLY WKNOWA)
17.	8	Gopalakrishnan et al., "V2(PO4)3: A Novel NASICON-Type Vanadium Phosphate Synthesized by Oxidative deintercalation of Sodium From Na3V2(PO4)3," CHEMISTRY OF MATERIALS, Vol. 4, No. 4, July/August 1992, pp 745-747*
18.	OK	Delmas et al., "The Chemical Short Circuit Method, An Improvement in the Intercalation- Deintercalation Techniques, "MATERIALS RESEARCH BULLETIN, Vol. 23, 1988, pp 65- 72.*
19	0)K	Ivanov-Schitz et al., "Electrical and Interfacial Properties of a Li3FE2(PO4)3 Single Crystal With Silver Electrodes, "SOLID STAES IONICS, 91, (1996), PP 93-99."
20.	5)K	Cretin et al., "Study of Li1+xAlxTi2x(PO4)3 for Li + Potentiometric Sensors, "JOURNAL OF THE EUROPEAN CERAMIC SOCIETY 15, (1995), pp 1149-1156.*

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Ref. Desig.	Examiner's Initials	Chem Abstrs Svs. (1995) XP 2048305* (NO. CO.4X)
21.	SVK	Chem. Abstrs. Svs., (1995) XP 2048305* (No MoAK)
22.	SX	Patent Abstracts of Japan (1994) Vol. 18, No. 64, (Abstract for JP 06251764)
23.	σX	Okada et al., "Fe2(SO4)3 as a Cathode Material for Rechargeable Lithium Batteries," Center for Materials Science & Engineering, Untiversity of Texas, Austin Texas, (no date of publication).*
24.	SOX	Adachi et al., "Lithium Ion Conductive Solid Electrolyte, "CHEMICAL ABSTRACTS 112 129692 (1981).* (N ທິລິກ ປຸທິຊາວິດພາ
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26.	OK	Nanjundaswamy et al., "Synthesis, Redox Potential Evaluation and Electrochemical Characteristics of NASICON-Related 3D Framework Compounds," SOLID STAET IONICS 92, (1996) pp 1-10.*
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28.	60K	Cotton et al., "Advanced Inorganic Chemistry, 3rd Edition," INTERSCIENCE PUBLISHERS, pp 864-868 (no month available).*
29.	5/C	Linden, "Handbook of Batteries, 2nd Edition, "MCGRAW-HILL, INC. pp 36.4-36.9. * 2002
30.	X	Bykov et al., Superionic Conductors Li3M2(PO4)3 (M=Fe,Sc,Cr): Synthesis, Structure and Electrophsyical Properties,* SOLID STATE IONICS, Vol. 38 (1990) pp 31-52 (no month available).*
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36.	OK	LeMeins et al., Phase Transitions in the Na3M2(PO4)F3Family (M=Al3+,V3+,Cr3+Fe3,Ga3+):Synthesis, Thermal, Structural, and Magnetic Studies; Journal of Solid State Chemistry 148, pgs. 260-277 (1999).*					
37.	(C)X	Moss et al., On the X-Ray identification of amblygonite and montebrasite; Mineralogical Magazine; Vol. 37, No. 287, pgs. 414-422; (1969).*					
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42.	500 K	Reddy and Hossain, (Editor Linden) "Rechargeable Lithium Batteries (Ambient Temperature)" Handbook of Batteries Third Edition, pp. 34.1-34.62.					

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